

WHAT IS CLAIMED IS

1. A method for accessing data from a network via a wireless communication link, the method comprising the steps of:

- (a) determining whether payload data has been received from a subscriber's terminal;
- (b) requesting, based on said determining, a first set of traffic channels, the first set of traffic channels including at least one traffic channel; and
- (c) transmitting the data over the requested first set of traffic channels.

2. The method of claim 1, wherein the transmitted data is transmitted via Code Division Multiple Access (CDMA) modulated radio signals.

3. The method of claim 1, further comprising:

- (d) transmitting a release of the first set of traffic channels after the data is transmitted.

4. The method of claim 3, further comprising:

- (e) receiving an assignment of a second set of traffic channels, the second set of traffic channels including at least one traffic channel; and
- (f) receiving data over the second set of traffic channels.

5. The method of claim 3, wherein said requesting is performed over a reverse control or non-traffic channel.

6. A method for accessing data of a computer network via a wireless communication link, the method comprising the steps of:

- (a) constructing a first set of traffic channels, the set of traffic channels containing at least one traffic channel;
- (b) receiving, via the constructed first set of traffic channels, a request for a network address; and
- (c) receiving a release of the first set of traffic channels.

1 7. The method of claim 6, wherein the request for a network address is received over a Code
2 Division Multiple Access (CDMA) modulated radio signals.

1 8. The method of claim 6, further comprising the steps of:

- 2 (d) sending an assignment of a second set of traffic channels, the second set of traffic
3 channels including at least one traffic channel; and
4 (e) sending data associated with the requested network address over the second
5 plurality of traffic channels.

1 9. The method of claim 8, further comprising:

- 2 (f) receiving a request for the first plurality of traffic channels.

1 10. The method of claim 8, wherein said sending an assignment of a second set of traffic
2 channels is sent via a forward control or non-traffic channel.

1 11. The method of claim 9, wherein the received request for the first plurality of traffic
2 channels is received via a reverse control or non-traffic channel.

1 12. The method of claim 9, wherein the request for a first plurality of traffic channels
2 includes information as to the size and number of channels needed.

1 13. An apparatus for accessing data of a computer network via a wireless communication
2 link, the apparatus comprising:

3 (a) a processor; and

4 (b) a memory coupled to said processor, said memory storing instructions adapted to
5 be executed by said processor, said instructions including:

- 6 (I) determining whether payload data has been received from a subscriber's
7 terminal;

- (ii) requesting, based on the determination, a first set of traffic channels, the first set of traffic channels including at least one traffic channel; and
- (iii) transmitting the data over the requested first set of traffic channels.

14. The apparatus of claim 13, wherein the transmitted data is transmitted via Code Division Multiple Access (CDMA) modulated radio signals.

15. The apparatus of claim 13, said memory storing further instructions adapted to be executed by said processor, said further instructions including:

- (iv) transmitting a release of the first set of traffic channels after the data is transmitted.

16. The apparatus of claim 15, said memory storing further instructions adapted to be executed by said processor, said further instructions including:

- (v) receiving an assignment of a second set of traffic channels, the second set of traffic channels including at least one traffic channel; and
- (vi) receiving data over the second set of traffic channels.

17. The apparatus of claim 15, wherein said requesting is performed over a reverse control or non-traffic channel.

18. An apparatus for accessing data of a computer network via a wireless communication link, the apparatus comprising:

- a a processor;
- b a memory coupled to said processor, said memory storing instructions adapted to be executed by said processor, the instructions including:
 - (I) constructing a first set of traffic channels, the set of traffic channels containing at least one traffic channel;
 - (ii) receiving, via the constructed first set of traffic channels, a request for a network address; and

10 (iii) receiving a release of the first set of traffic channels.

1 19. The apparatus of claim 18, wherein the request for a network address is received over a
2 Code Division Multiple Access (CDMA) modulated radio signals.

1 20. The apparatus of claim 18, said memory storing further instructions adapted to be
2 executed by said processor, the further instructions comprising:

3 (iv) sending an assignment of a second set of traffic channels, the second set
4 of traffic channels including at least one traffic channel; and

5 (v) sending data associated with the requested network address over the
6 second plurality of traffic channels.

1 21. The apparatus of claim 20, further comprising:

2 (vi) receiving a request for the first plurality of traffic channels.

1 22. The apparatus of claim 20, wherein said sending an assignment of a second set of traffic
2 channels is sent via a forward control or non-traffic channel.

1 23. The apparatus of claim 21, wherein the received request for the first plurality of traffic
2 channels is received via a reverse control or non-traffic channel.

1 24. The apparatus of claim 21, wherein the request for a first plurality of traffic channels
2 includes information as to the size and number of channels needed.

1 25. A medium for accessing data from a network via a wireless communication link, the
2 medium storing instructions adapted to be executed on a processor, the instructions
3 comprising:

4 (a) determining whether payload data has been received from a subscriber's terminal;

- (b) requesting, based on the determination, a first set of traffic channels, the first set of traffic channels including at least one traffic channel; and
- (c) transmitting the data over the requested first set of traffic channels.

26. The medium of claim 25, wherein the transmitted data is transmitted via Code Division Multiple Access (CDMA) modulated radio signals.

27. The medium of claim 25, said medium storing further instructions adapted to be executed on a processor, the further instructions comprising:

- (d) transmitting a release of the first set of traffic channels after the data is transmitted.

28. The medium of claim 27, said medium storing further instructions adapted to be executed on a processor, the further instructions comprising:

- (e) receiving an assignment of a second set of traffic channels the second set of traffic channels including at least one traffic channel; and
- (f) receiving data associated with the network address over the second set of traffic channels.

29. The medium of claim 27, wherein said requesting is performed over a reverse control or non-traffic channel.

30. A medium for accessing data of a computer network via a wireless communication link, the medium storing instructions adapted to be executed by a processor, the instructions comprising:

- (a) constructing a first set of traffic channels, the set of traffic channels containing at least one traffic channel;
- (b) receiving, via the constructed first set of traffic channels, a request for a network address; and
- (c) receiving a release of the first set of traffic channels.

1 31. The medium of claim 30, wherein the request for a network address is received over a
2 Code Division Multiple Access (CDMA) modulated radio signals.

1 32 The medium of claim 30, said medium storing further instructions adapted to be executed
2 on a processor, the further instructions including:

3 (d) sending an assignment of a second set of traffic channels, the second set of traffic
4 channels including at least one traffic channel; and

5 (e) sending data associated with the requested network address over the second
6 plurality of traffic channels.

1 33. The medium of claim 32, said medium storing further instructions adapted to be executed
2 on a processor, the further instructions including:

3 (f) receiving a request for the first plurality of traffic channels.

1 34. The medium of claim 32, wherein said sending an assignment of a second set of traffic
2 channels is sent via a forward control or non-traffic channel.

1 35. The medium of claim 34, wherein the received request for the first plurality of traffic
2 channels is received via a reverse control or non-traffic channel.